

LIST OF TABLES

Table II.1 Comparison of Methodologies	20
Table II.2 Comparison of Stacks and Justification for Their Selection.....	22
Table II.3 Previous Research (Part One).....	29
Table II.4 Previous Research (Part Two).....	30
Table II.5 Previous Research (Part Three).....	31
Table II.6 Previous Research (Part Four).....	31
Table III.1 Reasons for Choosing Methodology	37
Table III.2 Reasons for Choosing Stack	38
Table IV.1 Gap Analysis.....	43
Table IV.2 Functional Requirements.....	47
Table IV.3 Actor Analysis	49
Table IV.4 Owner Dashboard Scenario	51
Table IV.6 Scenario Todays Staff	52
Table IV.7 User scenario of view staff attendance evidence	53
Table IV.9 Scenario of View Schedule and Event Calendar	54
Table IV.10 Assign Existing Event	54
Table IV.11 Use Case Scenario of Delete Assigned Event	55
Table IV.13 Scenario of View Staff Page.....	56
Table IV.14 Scenario of Edit Staff Information.....	57
Table IV.15 Scenario of Add Warning to Staff.....	58
Table IV.16 Scenario of Revoke Staff.....	59
Table IV.17 Scenario of Reinstate Staff	61
Table IV.18 Scenario of search bar in owner page.....	62
Table IV.20 Scenario of Add New Staff.....	62
Table IV.21 Scenario of View Attendance History.....	64
Table IV.22 Scenario Clock-In.....	64
Table IV.23 Scenario Clock-out.....	66
Table IV.24 Scenario of Early Clock-Out.....	67
Table IV.25 Scenario of Access Staff Dashboard	68
Table IV.28 Scenario of Quick Log In	69
Table IV.29 Scenario of search bar	70

Table V.1 Requirements Table.....	92
Table V.2 Black-box Testing Result Table	99
Table V.3 SUS Testing Question Table.....	101
Table V.4 Result of SUS Testing for the First Iteration	103
Table V.5 Requirement and Improvement for Second Iteration	104
Table V.6 Black-box Testing for Second Iteration.....	111
Table V.7 SUS Testing Question for Second Iteration.....	112
Table V.8 SUS Testing Score for Second Iteration.....	114